

SEQUENCE LISTING

<110> Tel Aviv University Future Technology Development L.P.

<120> PEPTIDES ANTIBODIES DIRECTED THEREAGAINST AND METHODS USING SAME
FOR DIAGNOSING AND TREATING AMYLOID-ASSOCIATED DISEASES

<130> FSS-13065-EP

<140> 04744917.8

<141> June 29, 2004

<150> US20030483180P US20030514974P

<151> June 30, 2003 October 29, 2003

<160> 150

<170> PatentIn version 3.2

<210> 1

<211> 8

<212> PRT

<213> Artificial sequence

<220>

<223> Synthetic peptide

<400> 1

Asn Phe Gly Ala Ile Leu Ser Ser
1 5

<210> 2

<211> 8

<212> PRT

<213> Artificial sequence

<220>

<223> Synthetic peptide

<400> 2

Ala Phe Gly Ala Ile Leu Ser Ser
1 5

<210> 3

<211> 8

<212> PRT

<213> Artificial sequence

<220>

<223> Synthetic peptide

<400> 3

Asn Ala Gly Ala Ile Leu Ser Ser
1 5

<210> 4

<211> 8

<212> PRT

<213> Artificial sequence

<220>

<223> Synthetic peptide

<400> 4

Asn Phe Ala Ala Ile Leu Ser Ser
1 5

<210> 5

<211> 8

<212> PRT

<213> Artificial sequence

<220>

<223> Synthetic peptide

<400> 5

Asn Phe Gly Ala Ala Leu Ser Ser
1 5

<210> 6

<211> 8

<212> PRT

<213> Artificial sequence

<220>

<223> Synthetic peptide

<400> 6

Asn Phe Gly Ala Ile Ala Ser Ser
1 5

<210> 7

<211> 5

<212> PRT

<213> Artificial sequence

<220>

<223> Consensus sequence

<220>

<221> misc_feature

<222> (1)..(1)

<223> Any aromatic amino acid

<220>

<221> misc_feature

<222> (2)..(2)

<223> Any amino acid, but glycine

<220>

<221> misc_feature

<222> (3)..(5)

<223> Any amino acid

<400> 7

Xaa Xaa Xaa Xaa Xaa
1 5

<210> 8

<211> 6

<212> PRT

<213> Artificial sequence

<220>
<223> Synthetic peptide

<400> 8

Ala Phe Gly Ala Ile Leu
1 5

<210> 9
<211> 6
<212> PRT
<213> Artificial sequence

<220>
<223> Synthetic peptide

<400> 9

Asn Ala Gly Ala Ile Leu
1 5

<210> 10
<211> 6
<212> PRT
<213> Artificial sequence

<220>
<223> Synthetic peptide

<400> 10

Asn Phe Gly Ala Ala Leu
1 5

<210> 11
<211> 6
<212> PRT
<213> Artificial sequence

<220>
<223> Synthetic peptide

<400> 11

Asn Phe Gly Ala Ile Ala
1 5

<210> 12
<211> 6
<212> PRT
<213> Artificial sequence

<220>
<223> Synthetic peptide

<400> 12

Asn Phe Ala Ala Ile Leu
1 5

<210> 13
<211> 5
<212> PRT
<213> Artificial sequence

<220>
<223> Synthetic peptide

<400> 13

Phe Ala Ala Ile Leu
1 5

<210> 14
<211> 9
<212> PRT
<213> Artificial sequence

<220>
<223> Synthetic peptide

<400> 14

Asn Phe Leu Val His Ser Ser Asn Asn
1 5

<210> 15
<211> 7
<212> PRT
<213> Artificial sequence

<220>
<223> Synthetic peptide

<400> 15

Asn Phe Leu Val His Ser Ser
1 5

<210> 16
<211> 6
<212> PRT
<213> Artificial sequence

<220>
<223> Synthetic peptide

<400> 16

Phe Leu Val His Ser Ser
1 5

<210> 17
<211> 5
<212> PRT
<213> Artificial sequence

<220>
<223> Synthetic peptide

<400> 17

Asn Phe Leu Val His
1 5

<210> 18
<211> 5
<212> PRT

<213> Artificial sequence

<220>

<223> Synthetic peptide

<400> 18

Phe Leu Val His Ser
1 5

<210> 19

<211> 4

<212> PRT

<213> Artificial sequence

<220>

<223> Synthetic peptide

<400> 19

Phe Leu Val His
1

<210> 20

<211> 8

<212> PRT

<213> Artificial sequence

<220>

<223> Synthetic peptide

<400> 20

Asn Phe Gly Ser Val Gln Val Phe
1 5

<210> 21

<211> 6

<212> PRT

<213> Artificial sequence

<220>

<223> Synthetic peptide

<400> 21

Asn Phe Gly Ser Val Gln
1 5

<210> 22

<211> 5

<212> PRT

<213> Artificial sequence

<220>

<223> Synthetic peptide

<400> 22

Asn Phe Gly Ser Val
1 5

<210> 23

<211> 5

<212> PRT
<213> Artificial sequence

<220>
<223> Synthetic peptide

<400> 23

Phe Gly Ser Val Gln
1 5

<210> 24
<211> 4
<212> PRT
<213> Artificial sequence

<220>
<223> Synthetic peptide

<400> 24

Gly Ser Val Gln
1

<210> 25
<211> 4
<212> PRT
<213> Artificial sequence

<220>
<223> Synthetic peptide

<400> 25

Phe Gly Ser Val
1

<210> 26
<211> 6
<212> PRT
<213> Artificial sequence

<220>
<223> Synthetic peptide

<400> 26

Asn Ala Gly Ser Val Gln
1 5

<210> 27
<211> 5
<212> PRT
<213> Artificial sequence

<220>
<223> Synthetic peptide

<400> 27

Asp Phe Asn Lys Phe
1 5

<210> 28

<211> 4
<212> PRT
<213> Artificial sequence

<220>
<223> Synthetic peptide

<400> 28

Phe Asn Lys Phe
1

<210> 29
<211> 4
<212> PRT
<213> Artificial sequence

<220>
<223> Synthetic peptide

<400> 29

Asp Phe Asn Lys
1

<210> 30
<211> 3
<212> PRT
<213> Artificial sequence

<220>
<223> Synthetic peptide

<400> 30

Asp Phe Asn
1

<210> 31
<211> 5
<212> PRT
<213> Artificial sequence

<220>
<223> Synthetic peptide

<400> 31

Asp Ala Asn Lys Phe
1 5

<210> 32
<211> 6
<212> PRT
<213> Artificial sequence

<220>
<223> Synthetic peptide

<400> 32

Leu Phe Asn Gln Thr Gly
1 5

<210> 33
<211> 6
<212> PRT
<213> Artificial sequence

<220>
<223> Synthetic peptide

<400> 33

Ser Phe Phe Ser Phe Leu
1 5

<210> 34
<211> 5
<212> PRT
<213> Artificial sequence

<220>
<223> Synthetic peptide

<400> 34

Phe Glu Asn Lys Phe
1 5

<210> 35
<211> 5
<212> PRT
<213> Artificial sequence

<220>
<223> Synthetic peptide

<400> 35

Ser Phe Asn Asn Gly
1 5

<210> 36
<211> 6
<212> PRT
<213> Artificial sequence

<220>
<223> Synthetic peptide

<400> 36

Leu Gln Asn Phe Thr Leu
1 5

<210> 37
<211> 6
<212> PRT
<213> Artificial sequence

<220>
<223> Synthetic peptide

<400> 37

Thr Leu Ile Phe Gly Gly
1 5

<210> 38
<211> 6
<212> PRT
<213> Artificial sequence

<220>
<223> Synthetic peptide

<400> 38

Arg Ala Leu Asp Phe Ala
1 5

<210> 39
<211> 6
<212> PRT
<213> Artificial sequence

<220>
<223> Synthetic peptide

<400> 39

Gly Leu Val Phe Val Ser
1 5

<210> 40
<211> 6
<212> PRT
<213> Artificial sequence

<220>
<223> Synthetic peptide

<400> 40

Gly Thr Phe Gln Ile Asn
1 5

<210> 41
<211> 6
<212> PRT
<213> Artificial sequence

<220>
<223> Synthetic peptide

<400> 41

Ser Gly Ile Phe Thr Asn
1 5

<210> 42
<211> 5
<212> PRT
<213> Artificial sequence

<220>
<223> Synthetic peptide

<400> 42

Glu Arg Gly Phe Phe
1 5

<210> 43
<211> 6
<212> PRT
<213> Artificial sequence

<220>
<223> Synthetic peptide

<400> 43

Arg Asp Phe Leu Asp Arg
1 5

<210> 44
<211> 5
<212> PRT
<213> Artificial sequence

<220>
<223> Synthetic peptide

<400> 44

Ser Asn Phe Leu Asn
1 5

<210> 45
<211> 7
<212> PRT
<213> Artificial sequence

<220>
<223> Synthetic peptide

<400> 45

Asn Phe Leu Val His Pro Pro
1 5

<210> 46
<211> 8
<212> PRT
<213> Artificial sequence

<220>
<223> Synthetic peptide

<400> 46

Asn Phe Gly Ala Ile Leu Ser Ser
1 5

<210> 47
<211> 8
<212> PRT
<213> Artificial sequence

<220>
<223> Synthetic peptide

<400> 47

Asn Ile Gly Ala Ile Leu Ser Ser

1

5

<210> 48
<211> 8
<212> PRT
<213> Artificial sequence

<220>
<223> Synthetic peptide

<400> 48

Asn Leu Gly Ala Ile Leu Ser Ser
1 5

<210> 49
<211> 8
<212> PRT
<213> Artificial sequence

<220>
<223> Synthetic peptide

<400> 49

Asn Val Gly Ala Ile Leu Ser Ser
1 5

<210> 50
<211> 24
<212> DNA
<213> Artificial sequence

<220>
<223> Single strand DNA oligonucleotide

<400> 50
aaatgcaaca ccgcgacctg cgcg

24

<210> 51
<211> 30
<212> DNA
<213> Artificial sequence

<220>
<223> Single strand DNA oligonucleotide

<400> 51
acccagcgcc tggcgaaactt tctggtgcat

30

<210> 52
<211> 30
<212> DNA
<213> Artificial sequence

<220>
<223> Single strand DNA oligonucleotide

<400> 52
agcagcaaca actttggcgc gattctgagc

30

<210> 53
<211> 33

<212> DNA
 <213> Artificial sequence

 <220>
 <223> Single strand DNA oligonucleotide

 <400> 53
 agcaccaacg tgggcagcaa cacctattaa tga 33

<210> 54
 <211> 18
 <212> DNA
 <213> Artificial sequence

 <220>
 <223> Single strand DNA oligonucleotide

 <400> 54
 tcggttgca taattact 18

<210> 55
 <211> 30
 <212> DNA
 <213> Artificial sequence

 <220>
 <223> Single strand DNA oligonucleotide

 <400> 55
 ccgcgctaag actcgtcgtg cttgcacccg 30

<210> 56
 <211> 33
 <212> DNA
 <213> Artificial sequence

 <220>
 <223> Single strand DNA oligonucleotide

 <400> 56
 cgcttgaaag accacgtatc gtcgttggtg aaa 33

<210> 57
 <211> 36
 <212> DNA
 <213> Artificial sequence

 <220>
 <223> Single strand DNA oligonucleotide

 <400> 57
 ttacgttgt ggcgtggac gcgctgggtc gcggac 36

<210> 58
 <211> 114
 <212> DNA
 <213> Artificial sequence

 <220>
 <223> Modified IAPP cDNA for expression in bacteria

 <400> 58
 atgaaatgca acaccgcgac ctgcgcgacc cagcgcctgg cgaactttct ggtgcatagc 60

agcaacaact ttggcgcgat tctgagcagc accaacgtgg gcagcaacac ctat 114

<210> 59
<211> 56
<212> DNA
<213> Artificial sequence

<220>
<223> Single strand DNA oligonucleotide

<400> 59
gggtttccat gggccatcac catcaccatc acgaaaaatg caacaccgcg acctgc 56

<210> 60
<211> 35
<212> DNA
<213> Artificial sequence

<220>
<223> Single strand DNA oligonucleotide

<400> 60
gggtttgcgg ccgctcatta ataggtgttg ctgcc 35

<210> 61
<211> 10
<212> PRT
<213> Artificial sequence

<220>
<223> Synthetic peptide

<400> 61

Lys Cys Asn Thr Ala Thr Cys Ala Thr Gln
1 5 10

<210> 62
<211> 10
<212> PRT
<213> Artificial sequence

<220>
<223> Synthetic peptide

<400> 62

Cys Asn Thr Ala Thr Cys Ala Thr Gln Arg
1 5 10

<210> 63
<211> 10
<212> PRT
<213> Artificial sequence

<220>
<223> Synthetic peptide

<400> 63

Asn Thr Ala Thr Cys Ala Thr Gln Arg Leu
1 5 10

<210> 64
<211> 10
<212> PRT
<213> Artificial sequence

<220>
<223> Synthetic peptide

<400> 64

Thr Ala Thr Cys Ala Thr Gln Arg Leu Ala
1 5 10

<210> 65
<211> 10
<212> PRT
<213> Artificial sequence

<220>
<223> Synthetic peptide

<400> 65

Ala Thr Cys Ala Thr Gln Arg Leu Ala Asn
1 5 10

<210> 66
<211> 10
<212> PRT
<213> Artificial sequence

<220>
<223> Synthetic peptide

<400> 66

Thr Cys Ala Thr Gln Arg Leu Ala Asn Phe
1 5 10

<210> 67
<211> 10
<212> PRT
<213> Artificial sequence

<220>
<223> Synthetic peptide

<400> 67

Cys Ala Thr Gln Arg Leu Ala Asn Phe Leu
1 5 10

<210> 68
<211> 10
<212> PRT
<213> Artificial sequence

<220>
<223> Synthetic peptide

<400> 68

Ala Thr Gln Arg Leu Ala Asn Phe Leu Val
1 5 10

<210> 69
<211> 10
<212> PRT
<213> Artificial sequence

<220>
<223> Synthetic peptide

<400> 69

Thr Gln Arg Leu Ala Asn Phe Leu Val His
1 5 10

<210> 70
<211> 10
<212> PRT
<213> Artificial sequence

<220>
<223> Synthetic peptide

<400> 70

Gln Arg Leu Ala Asn Phe Leu Val His Ser
1 5 10

<210> 71
<211> 10
<212> PRT
<213> Artificial sequence

<220>
<223> Synthetic peptide

<400> 71

Arg Leu Ala Asn Phe Leu Val His Ser Ser
1 5 10

<210> 72
<211> 10
<212> PRT
<213> Artificial sequence

<220>
<223> Synthetic peptide

<400> 72

Leu Ala Asn Phe Leu Val His Ser Ser Asn
1 5 10

<210> 73
<211> 10
<212> PRT
<213> Artificial sequence

<220>
<223> Synthetic peptide

<400> 73

Ala Asn Phe Leu Val His Ser Ser Asn Asn
1 5 10

<210> 74
<211> 10
<212> PRT
<213> Artificial sequence

<220>
<223> Synthetic peptide

<400> 74

Asn Phe Leu Val His Ser Ser Asn Asn Phe
1 5 10

<210> 75
<211> 10
<212> PRT
<213> Artificial sequence

<220>
<223> Synthetic peptide

<400> 75

Phe Leu Val His Ser Ser Asn Asn Phe Gly
1 5 10

<210> 76
<211> 10
<212> PRT
<213> Artificial sequence

<220>
<223> Synthetic peptide

<400> 76

Leu Val His Ser Ser Asn Asn Phe Gly Ala
1 5 10

<210> 77
<211> 10
<212> PRT
<213> Artificial sequence

<220>
<223> Synthetic peptide

<400> 77

Val His Ser Ser Asn Asn Phe Gly Ala Ile
1 5 10

<210> 78
<211> 10
<212> PRT
<213> Artificial sequence

<220>
<223> Synthetic peptide

<400> 78

His Ser Ser Asn Asn Phe Gly Ala Ile Leu

1 5 10

<210> 79
<211> 10
<212> PRT
<213> Artificial sequence

<220>
<223> Synthetic peptide

<400> 79

Ser Ser Asn Asn Phe Gly Ala Ile Leu Ser
1 5 10

<210> 80
<211> 10
<212> PRT
<213> Artificial sequence

<220>
<223> Synthetic peptide

<400> 80

Ser Asn Asn Phe Gly Ala Ile Leu Ser Ser
1 5 10

<210> 81
<211> 10
<212> PRT
<213> Artificial sequence

<220>
<223> Synthetic peptide

<400> 81

Asn Asn Phe Gly Ala Ile Leu Ser Ser Thr
1 5 10

<210> 82
<211> 10
<212> PRT
<213> Artificial sequence

<220>
<223> Synthetic peptide

<400> 82

Asn Phe Gly Ala Ile Leu Ser Ser Thr Asn
1 5 10

<210> 83
<211> 10
<212> PRT
<213> Artificial sequence

<220>
<223> Synthetic peptide

<400> 83

Phe Gly Ala Ile Leu Ser Ser Thr Asn Val
1 5 10

<210> 84
<211> 10
<212> PRT
<213> Artificial sequence

<220>
<223> Synthetic peptide

<400> 84

Gly Ala Ile Leu Ser Ser Thr Asn Val Gly
1 5 10

<210> 85
<211> 10
<212> PRT
<213> Artificial sequence

<220>
<223> Synthetic peptide

<400> 85

Ala Ile Leu Ser Ser Thr Asn Val Gly Ser
1 5 10

<210> 86
<211> 10
<212> PRT
<213> Artificial sequence

<220>
<223> Synthetic peptide

<400> 86

Ile Leu Ser Ser Thr Asn Val Gly Ser Asn
1 5 10

<210> 87
<211> 10
<212> PRT
<213> Artificial sequence

<220>
<223> Synthetic peptide

<400> 87

Leu Ser Ser Thr Asn Val Gly Ser Asn Thr
1 5 10

<210> 88
<211> 10
<212> PRT
<213> Artificial sequence

<220>
<223> Synthetic peptide

<400> 88

Ser Ser Thr Asn Val Gly Ser Asn Thr Tyr
1 5 10

<210> 89
<211> 8
<212> PRT
<213> Artificial sequence

<220>
<223> Synthetic peptide

<400> 89

Asn Ala Gly Ala Ile Leu Ser Ser
1 5

<210> 90
<211> 10
<212> PRT
<213> Artificial sequence

<220>
<223> Peptide array consensus sequence

<220>
<221> misc_feature
<222> (4)..(4)
<223> Any amino acid, but cysteine

<400> 90

Ser Asn Asn Xaa Gly Ala Ile Leu Ser Ser
1 5 10

<210> 91
<211> 8
<212> PRT
<213> Artificial sequence

<220>
<223> Synthetic peptide

<400> 91

Asn Ala Gly Ala Ile Leu Ser Ser
1 5

<210> 92
<211> 8
<212> PRT
<213> Artificial sequence

<220>
<223> Synthetic peptide

<400> 92

Asn Ala Gly Ala Ile Leu Ser Ser
1 5

<210> 93
<211> 8

<212> PRT
<213> Artificial sequence

<220>
<223> Synthetic peptide

<400> 93

Asn Asp Gly Ala Ile Leu Ser Ser
1 5

<210> 94
<211> 8
<212> PRT
<213> Artificial sequence

<220>
<223> Synthetic peptide

<400> 94

Asn Glu Gly Ala Ile Leu Ser Ser
1 5

<210> 95
<211> 8
<212> PRT
<213> Artificial sequence

<220>
<223> Synthetic peptide

<400> 95

Asn Phe Gly Ala Ile Leu Ser Ser
1 5

<210> 96
<211> 8
<212> PRT
<213> Artificial sequence

<220>
<223> Synthetic peptide

<400> 96

Asn Gly Gly Ala Ile Leu Ser Ser
1 5

<210> 97
<211> 8
<212> PRT
<213> Artificial sequence

<220>
<223> Synthetic peptide

<400> 97

Asn His Gly Ala Ile Leu Ser Ser
1 5

<210> 98

<211> 8
<212> PRT
<213> Artificial sequence

<220>
<223> Synthetic peptide

<400> 98

Asn Ile Gly Ala Ile Leu Ser Ser
1 5

<210> 99
<211> 8
<212> PRT
<213> Artificial sequence

<220>
<223> Synthetic peptide

<400> 99

Asn Lys Gly Ala Ile Leu Ser Ser
1 5

<210> 100
<211> 8
<212> PRT
<213> Artificial sequence

<220>
<223> Synthetic peptide

<400> 100

Asn Leu Gly Ala Ile Leu Ser Ser
1 5

<210> 101
<211> 8
<212> PRT
<213> Artificial sequence

<220>
<223> Synthetic peptide

<400> 101

Asn Met Gly Ala Ile Leu Ser Ser
1 5

<210> 102
<211> 8
<212> PRT
<213> Artificial sequence

<220>
<223> Synthetic peptide

<400> 102

Asn Asn Gly Ala Ile Leu Ser Ser
1 5

<210> 103
<211> 8
<212> PRT
<213> Artificial sequence

<220>
<223> Synthetic peptide

<400> 103

Asn Pro Gly Ala Ile Leu Ser Ser
1 5

<210> 104
<211> 8
<212> PRT
<213> Artificial sequence

<220>
<223> Synthetic peptide

<400> 104

Asn Gln Gly Ala Ile Leu Ser Ser
1 5

<210> 105
<211> 8
<212> PRT
<213> Artificial sequence

<220>
<223> Synthetic peptide

<400> 105

Asn Arg Gly Ala Ile Leu Ser Ser
1 5

<210> 106
<211> 8
<212> PRT
<213> Artificial sequence

<220>
<223> Synthetic peptide

<400> 106

Asn Ser Gly Ala Ile Leu Ser Ser
1 5

<210> 107
<211> 8
<212> PRT
<213> Artificial sequence

<220>
<223> Synthetic peptide

<400> 107

Asn Thr Gly Ala Ile Leu Ser Ser
1 5

<210> 108
<211> 8
<212> PRT
<213> Artificial sequence

<220>
<223> Synthetic peptide

<400> 108

Asn Val Gly Ala Ile Leu Ser Ser
1 5

<210> 109
<211> 8
<212> PRT
<213> Artificial sequence

<220>
<223> Synthetic peptide

<400> 109

Asn Trp Gly Ala Ile Leu Ser Ser
1 5

<210> 110
<211> 8
<212> PRT
<213> Artificial sequence

<220>
<223> Synthetic peptide

<400> 110

Asn Tyr Gly Ala Ile Leu Ser Ser
1 5

<210> 111
<211> 6
<212> PRT
<213> Artificial sequence

<220>
<223> Synthetic peptide

<400> 111

Asn Phe Gly Ala Ile Leu
1 5

<210> 112
<211> 3
<212> PRT
<213> Artificial sequence

<220>
<223> Synthetic peptide

<220>
<221> misc_feature
<222> (1)..(3)

<223> Stereoisomer D

<400> 112

Phe Phe Pro
1

<210> 113

<211> 4

<212> PRT

<213> Artificial sequence

<220>

<223> Synthtic peptide

<220>

<221> misc_feature

<222> (1)..(1)

<223> D and L methyl alanine

<220>

<221> misc_feature

<222> (2)..(3)

<223> Stereoisomer D

<220>

<221> misc_feature

<222> (4)..(4)

<223> D and L methyl alanine

<400> 113

Xaa Phe Asn Xaa
1

<210> 114

<211> 4

<212> PRT

<213> Artificial sequence

<220>

<223> Synthetic peptide

<220>

<221> misc_feature

<222> (1)..(1)

<223> D and L methyl alanine

<220>

<221> misc_feature

<222> (4)..(4)

<223> D and L methyl alanine

<400> 114

Xaa Asn Phe Xaa
1

<210> 115

<211> 2

<212> PRT

<213> Artificial sequence

<220>

<223> Synthetic peptide

<400> 115

Tyr Tyr
1

<210> 116

<211> 2

<212> PRT

<213> Artificial sequence

<220>

<223> Synthetic peptide

<220>

<221> misc_feature

<222> (2)..(2)

<223> amidated amino acid

<400> 116

Tyr Tyr
1

<210> 117

<211> 3

<212> PRT

<213> Artificial sequence

<220>

<223> Synthetic peptide

<220>

<221> misc_feature

<222> (1)..(1)

<223> D and L methyl alanine

<400> 117

Xaa Phe Phe
1

<210> 118

<211> 3

<212> PRT

<213> Artificial sequence

<220>

<223> Synthetic peptide

<220>

<221> misc_feature

<222> (3)..(3)

<223> D and L methyl alanine

<400> 118

Asn Tyr Xaa
1

<210> 119

<211> 3
<212> PRT
<213> Artificial sequence

<220>
<223> Synthetic peptide

<400> 119

Asn Tyr Pro
1

<210> 120
<211> 3
<212> PRT
<213> Artificial sequence

<220>
<223> Synthetic peptide

<220>
<221> misc_feature
<222> (1)..(3)
<223> Stereoisomer D

<400> 120

Asn Tyr Pro
1

<210> 121
<211> 2
<212> PRT
<213> Artificial sequence

<220>
<223> Synthetic peptide

<220>
<221> misc_feature
<222> (1)..(1)
<223> Stereoisomer D

<220>
<221> misc_feature
<222> (2)..(2)
<223> D and L methyl alanine

<400> 121

Tyr Xaa
1

<210> 122
<211> 2
<212> PRT
<213> Artificial sequence

<220>
<223> Synthetic peptide

<220>
<221> misc_feature

<222> (1)..(2)
<223> Stereoisomer D

<400> 122

Pro Tyr
1

<210> 123
<211> 2
<212> PRT
<213> Artificial sequence

<220>
<223> Synthetic peptide

<220>
<221> misc_feature
<222> (1)..(2)
<223> Stereoisomer D

<400> 123

Tyr Pro
1

<210> 124
<211> 6
<212> PRT
<213> Artificial sequence

<220>
<223> Synthetic peptide

<400> 124

Ala Asn Phe Leu Val His
1 5

<210> 125
<211> 6
<212> PRT
<213> Artificial sequence

<220>
<223> Synthetic peptide

<220>
<221> misc_feature
<222> (1)..(1)
<223> D and L methyl alanine

<220>
<221> misc_feature
<222> (4)..(4)
<223> D and L methyl alanine

<400> 125

Xaa Asn Phe Xaa Val His
1 5

<210> 126

<211> 5
<212> PRT
<213> Artificial sequence

<220>
<223> Synthetic peptide

<400> 126

Ala Asn Phe Leu Val
1 5

<210> 127
<211> 5
<212> PRT
<213> Artificial sequence

<220>
<223> Synthetic peptide

<220>
<221> misc_feature
<222> (1)..(1)
<223> D and L methyl alanine

<220>
<221> misc_feature
<222> (4)..(4)
<223> D and L methyl alanine

<400> 127

Xaa Asn Phe Xaa Val
1 5

<210> 128
<211> 3
<212> PRT
<213> Artificial sequence

<220>
<223> Synthetic peptide

<220>
<221> misc_feature
<222> (1)..(3)
<223> Stereoisomer D

<400> 128

Phe Phe Pro
1

<210> 129
<211> 4
<212> PRT
<213> Artificial sequence

<220>
<223> Synthetic peptide

<220>
<221> misc_feature

<222> (1)..(1)
<223> Beta-aminoisobutyric acid (Aib)

<220>
<221> misc_feature
<222> (2)..(3)
<223> Stereoisomer D

<220>
<221> misc_feature
<222> (4)..(4)
<223> Beta-aminoisobutyric acid (Aib)

<400> 129

Xaa Phe Asn Xaa
1

<210> 130
<211> 3
<212> PRT
<213> Artificial sequence

<220>
<223> Synthetic peptide

<220>
<221> misc_feature
<222> (1)..(3)
<223> Stereoisomer D

<400> 130

Phe Asn Pro
1

<210> 131
<211> 4
<212> PRT
<213> Artificial sequence

<220>
<223> Synthetic peptide

<220>
<221> misc_feature
<222> (1)..(1)
<223> Beta-aminoisobutyric acid (Aib)

<220>
<221> misc_feature
<222> (4)..(4)
<223> Beta-aminoisobutyric acid (Aib)

<400> 131

Xaa Asn Phe Xaa
1

<210> 132
<211> 6
<212> PRT
<213> Artificial sequence

<220>
<223> Synthetic peptide

<220>
<221> misc_feature
<222> (1)..(1)
<223> Beta-aminoisobutyric acid (Aib)

<220>
<221> misc_feature
<222> (4)..(4)
<223> Beta-aminoisobutyric acid (Aib)

<400> 132

Gln Lys Leu Val Phe Phe
1 5

<210> 133
<211> 2
<212> PRT
<213> Artificial sequence

<220>
<223> Synthetic peptide

<400> 133

Tyr Tyr
1

<210> 134
<211> 4
<212> PRT
<213> Artificial sequence

<220>
<223> Synthetic peptide

<400> 134

Asn Tyr Tyr Pro
1

<210> 135
<211> 3
<212> PRT
<213> Artificial sequence

<220>
<223> Synthetic peptide

<220>
<221> misc_feature
<222> (3)..(3)
<223> Beta-aminoisobutyric acid (Aib)

<400> 135

Tyr Tyr Xaa
1

<210> 136

<211> 3
<212> PRT
<213> Artificial sequence

<220>
<223> Synthetic peptide

<220>
<221> misc_feature
<222> (1)..(1)
<223> Beta-aminoisobutyric acid (Aib)

<400> 136

Xaa Tyr Tyr
1

<210> 137
<211> 4
<212> PRT
<213> Artificial sequence

<220>
<223> Synthetic peptide

<220>
<221> misc_feature
<222> (1)..(1)
<223> Beta-aminoisobutyric acid (Aib)

<220>
<221> misc_feature
<222> (4)..(4)
<223> Beta-aminoisobutyric acid (Aib)

<400> 137

Xaa Tyr Tyr Xaa
1

<210> 138
<211> 4
<212> PRT
<213> Artificial sequence

<220>
<223> Synthetic peptide

<220>
<221> misc_feature
<222> (1)..(1)
<223> Stereoisomer D

<220>
<221> misc_feature
<222> (4)..(4)
<223> Stereoisomer D

<400> 138

Asn Tyr Tyr Pro
1

<210> 139
<211> 3
<212> PRT
<213> Artificial sequence

<220>
<223> Synthetic peptide

<400> 139

Pro Tyr Tyr
1

<210> 140
<211> 3
<212> PRT
<213> Artificial sequence

<220>
<223> Synthetic peptide

<400> 140

Tyr Tyr Pro
1

<210> 141
<211> 4
<212> PRT
<213> Artificial sequence

<220>
<223> Synthetic peptide

<400> 141

Pro Tyr Tyr Pro
1

<210> 142
<211> 2
<212> PRT
<213> Artificial sequence

<220>
<223> Synthetic peptide

<220>
<221> misc_feature
<222> (1)..(2)
<223> Stereoisomer D

<400> 142

Tyr Tyr
1

<210> 143
<211> 2
<212> PRT
<213> Artificial sequence

<220>
<223> Synthetic peptide

<220>
<221> misc_feature
<222> (2)..(2)
<223> Beta-aminoisobutyric acid (Aib)

<400> 143

Pro Xaa
1

<210> 144
<211> 2
<212> PRT
<213> Artificial sequence

<220>
<223> Synthetic peptide

<220>
<221> misc_feature
<222> (1)..(2)
<223> Stereoisomer D

<400> 144

Phe Pro
1

<210> 145
<211> 2
<212> PRT
<213> Artificial sequence

<220>
<223> Synthetic peptide

<220>
<221> misc_feature
<222> (2)..(2)
<223> Beta-aminoisobutyric acid (Aib)

<400> 145

Trp Xaa
1

<210> 146
<211> 2
<212> PRT
<213> Artificial sequence

<220>
<223> Synthetic peptide

<220>
<221> misc_feature
<222> (1)..(2)
<223> Stereoisomer D

<400> 146

Trp Pro
1

<210> 147
<211> 2
<212> PRT
<213> Artificial sequence

<220>
<223> Synthetic peptide

<220>
<221> misc_feature
<222> (1)..(1)
<223> Stereoisomer D

<400> 147

Phe Pro
1

<210> 148
<211> 2
<212> PRT
<213> Artificial sequence

<220>
<223> Synthetic peptide

<220>
<221> misc_feature
<222> (2)..(2)
<223> Stereoisomer D

<400> 148

Pro Phe
1

<210> 149
<211> 3
<212> PRT
<213> Artificial sequence

<220>
<223> Synthetic peptide

<220>
<221> misc_feature
<222> (1)..(2)
<223> Stereoisomer D

<220>
<221> misc_feature
<222> (3)..(3)
<223> Beta-aminoisobutyric acid (Aib)

<400> 149

Cys Trp Xaa
1

<210> 150
<211> 3
<212> PRT
<213> Artificial sequence

<220>
<223> Synthetic peptide

<220>
<221> misc_feature
<222> (2)..(2)
<223> Stereoisomer D

<220>
<221> misc_feature
<222> (3)..(3)
<223> Beta-aminoisobutyric acid (Aib)

<400> 150

Cys Trp Xaa
1